

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	0	((light\$4 or illuminat\$4) with handle) and ((light emitting diode) or (light (source or bulb))) and (bar with end with (taper\$4 wall)).clm.	US-PGPUB	NEAR	ON	2008/01/21 13:20

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	0	((light\$4 or illuminat\$4) with handle) and ((light emitting diode) or (light (source or bulb))) and (bar with end with (taper\$4 wall)).clm.	US-PGPUB	NEAR	ON	2008/01/21 13:20
S1	10	("1203576" or "2242981" or "2479500" or "4231077" or "4274131" or "5339228" or "5396740" or "5692822" or "5957566" or "6135621").PN.	USPAT; USOCR	OR	OFF	2006/09/09 16:04
S2	9	("1203576"   "2242981"   "2479500"   "4231077"   "4274131"   "5339228"   "5396740"   "5692822"   "5957566").PN.	USPAT	OR	OFF	2002/09/04 11:50
S3	14678	(light\$4 or illuminat\$4) with handle	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/08 15:41
S4	1396	((light\$4 or illuminat\$4) with handle) and ((light adj transmit\$6) or (light near4 guide))	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2002/09/04 14:29
S5	2092235	bulb or light or (illuminat\$6 adj unit)	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2002/09/04 14:30
S6	1396	((light\$4 or illuminat\$4) with handle ) and (((light\$4 or illuminat\$4) with handle) and ((light adj transmit\$6) or (light near4 guide)))	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2002/09/04 15:26
S7	1396	(bulb or light or (illuminat\$6 adj unit)) and (((light\$4 or illuminat\$4) with handle ) and (((light\$4 or illuminat\$4) with handle) and ((light adj transmit\$6) or (light near4 guide))))	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2002/09/04 14:31
S8	9	((((bulb or light or (illuminat\$6 adj unit)) and (((light\$4 or illuminat\$4) with handle ) and (((light\$4 or illuminat\$4) with handle) and ((light adj transmit\$6) or (light near4 guide)))))) and (bracket or support)) and locator	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2002/09/05 08:26
S9	521	((bulb or light or (illuminat\$6 adj unit)) and (((light\$4 or illuminat\$4) with handle ) and (((light\$4 or illuminat\$4) with handle) and ((light adj transmit\$6) or (light near4 guide)))) and (bracket or support)	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2002/09/04 14:33
S10	60868	(light adj transmit\$6) or (light near4 guide)	USPAT	OR	OFF	2002/09/04 14:42

## EAST Search History

S11	573	(light\$4 or illuminat\$4) adj handle	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2002/09/04 15:13
S12	573	(light\$4 or illuminat\$4) adj handle	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2002/09/04 15:14
S13	130	((light\$4 or illuminat\$4) adj handle ) and "362"/\$.ccls.	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2002/09/04 15:16
S14	0	((light\$4 or illuminat\$4) adj handle ) and 362/26.ccls.	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2002/09/04 15:16
S15	0	((light\$4 or illuminat\$4) adj handle ) and 362/27.ccls.	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2002/09/04 15:16
S16	0	((light\$4 or illuminat\$4) adj handle ) and 362/29.ccls.	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2002/09/04 15:16
S17	0	((light\$4 or illuminat\$4) adj handle ) and 362/31.ccls.	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2002/09/04 15:16
S18	0	((light\$4 or illuminat\$4) adj handle ) and 362/30.ccls.	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2002/09/04 15:17
S19	3	((light\$4 or illuminat\$4) adj handle ) and 362/577.ccls.	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2002/09/04 15:17
S20	0	((light\$4 or illuminat\$4) adj handle ) and 362/337.ccls.	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2002/09/04 15:17
S21	2	((light\$4 or illuminat\$4) adj handle ) and 362/251.ccls.	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2002/09/04 15:18
S22	2	((light\$4 or illuminat\$4) adj handle ) and 362/551.ccls.	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2002/09/04 15:18
S23	27227	light adj guide	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2002/09/05 08:37

## EAST Search History

S24	2	(light adj guide) and (rod with (stripe with reflect\$6))	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/02/20 16:55
S25	0	(light adj guide) and (rod with (stripe with (non near3 reflect\$6)))	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2002/09/05 08:35
S26	323	non near4 reflect\$5 near4 strip\$4	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2002/09/05 08:37
S27	27729	light adj (guide or rod)	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2002/09/05 08:38
S28	5	(non near4 reflect\$5 near4 strip\$4) and (light adj (guide or rod))	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2002/09/05 09:08
S29	163	(reflect\$5 near4 strip\$4) and (light adj (guide or rod))	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2002/09/05 12:17
S30	3088	(seal or ring) and (light adj (guide or rod))	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2002/09/05 12:20
S31	1119	(seal or ring) same (light adj (guide or rod))	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2002/09/05 12:21
S32	765	(seal or ring) with (light adj (guide or rod))	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2002/09/05 12:22
S33	765	((seal or ring) with (light adj (guide or rod))) and (light or bulb or diode)	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2002/09/05 12:23
S34	15	((((seal or ring) with (light adj (guide or rod))) and (light or bulb or diode)) and (bracket\$4 or support\$4)) and strip\$4	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2002/09/05 12:24
S35	207	((((seal or ring) with (light adj (guide or rod))) and (light or bulb or diode)) and (bracket\$4 or support\$4)	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2002/09/05 13:34
S36	1	("6058230").PN.	USPAT; USOCR	OR	OFF	2002/09/05 13:07

## EAST Search History

S37	6	("4128332") or ("4140385") or ("4186431") or ("4561043") or ("5486984") or ("5810463") or ("4128332") or ("4140385") or ("4186431") or ("4561043") or ("5486984") or ("5810463")).PN.	USPAT; USOCR	OR	OFF	2002/09/05 13:09
S38	1	("6139174").PN.	USPAT; USOCR	OR	OFF	2002/09/05 13:09
S39	11	("2713629"   "3635832"   "4733332"   "4779166"   "4888635"   "4924357"   "5128846"   "5257340"   "5747832"   "5753906"   "5803579").PN.	USPAT	OR	OFF	2002/09/05 13:09
S40	1	("4924357").PN.	USPAT; USOCR	OR	OFF	2002/09/05 13:35
S41	1	("5753906").PN.	USPAT; USOCR	OR	OFF	2002/09/05 13:35
S42	45481	(light near5 guide) or (( transparent or translucent) adj rod)	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/02/20 17:05
S43	3	(reflect\$5 with strip\$4) with (embedded or (co near4 extrud\$4))	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/02/20 16:59
S44	1	((light near5 guide) or (( transparent or translucent) adj rod)) and ((reflect\$5 with strip\$4) with (embedded or (co near4 extrud\$4)))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/02/20 17:02
S45	1	"6095673".URPN.	USPAT	OR	OFF	2003/02/20 17:01
S46	1	"6095673".URPN.	USPAT	OR	OFF	2003/02/20 17:02
S47	2	("6095673").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/02/20 17:03
S48	45	("3666180"   "4262327"   "4322781"   "4430692"   "4623217"   "4706169"   "4733332"   "4740870"   "4751617"   "4786127"   "4811172"   "4826273"   "4868718"   "4871487"   "4887190"   "4930049"   "4954930"   "4957347"   "5021929"   "5060119"   "5143435"   "5163745"   "5170454"   "5217290"   "5222794"   "5228765"   "5276594"   "5278731"   "5311410"   "5321586"   "5365413"   "5369555"   "5406641"   "5422792"   "5436806"   "5438485"   "5446628"   "5452186"   "5465194"   "5495400"   "5537297"   "5573327"   "5709653"   "5857761"   "5898814").PN.	USPAT	OR	OFF	2003/02/20 17:03
S49	1	"5898814".URPN.	USPAT	OR	OFF	2007/04/25 12:22

## EAST Search History

S50	28951	"147" and strip\$4	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/02/20 17:06
S51	42	((light near5 guide) or ((transparent or translucent) adj rod)) and (reflect\$4 with embed\$4) and strip\$4	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/02/20 17:07
S52	147	((light near5 guide) or ((transparent or translucent) adj rod)) and (reflect\$4 with embed\$4)	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/02/20 17:14
S53	304201	embed\$5 or (co near4 extrud\$4)	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/02/20 17:15
S54	37317	(embed\$5 or (co near4 extrud\$4)) and reflect\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/02/20 17:17
S55	3588	(embed\$5 or (co near4 extrud\$4)) with reflect\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/02/20 17:18
S56	32	((embed\$5 or (co near4 extrud\$4)) with reflect\$4) same (light adj guide)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/02/20 17:21
S57	2	("6139174").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/02/21 08:23
S58	1.1	("2713629"   "3635832"   "4733332"   "4779166"   "4888635"   "4924357"   "5128846"   "5257340"   "5747832"   "5753906"   "5803579").PN.	USPAT	OR	OFF	2003/02/20 17:21
S59	4	"6139174".URPN.	USPAT	OR	OFF	2003/02/20 17:23
S60	46043	(transparent adj rod) or (light near4 guide)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/02/21 09:32
S61	3893	embed\$4 with reflect\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/02/21 08:45

## EAST Search History

S62	12834	rod near6 light	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/02/21 08:28
S63	45	(embed\$4 with reflect\$4) and (rod near6 light)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/02/21 08:37
S64	169	(embed\$4 with reflect\$4) and ((transparent adj rod) or (light near4 guide))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/02/21 08:45
S65	20384	rod with light	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/02/21 08:45
S66	3959	(embed\$4 or (co near4 extrud\$4)) with reflect\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/02/21 09:30
S67	73	(rod with light) and ((embed\$4 or (co near4 extrud\$4)) with reflect\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/02/21 09:29
S68	2	("6139174").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/02/21 08:57
S69	11	("2713629"   "3635832"   "4733332"   "4779166"   "4888635"   "4924357"   "5128846"   "5257340"   "5747832"   "5753906"   "5803579").PN.	USPAT	OR	OFF	2003/02/21 08:53
S70	4	"6139174".URPN.	USPAT	OR	OFF	2003/02/21 08:55
S71	11	("2713629"   "3635832"   "4733332"   "4779166"   "4888635"   "4924357"   "5128846"   "5257340"   "5747832"   "5753906"   "5803579").PN.	USPAT	OR	OFF	2003/02/21 08:56
S72	173	((embed\$4 or (co near4 extrud\$4)) with reflect\$4) and "362"/\$.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/02/21 09:21
S73	11	("3966303"   "4231649"   "4539625"   "4874225"   "4997263"   "5709456"   "5739876"   "5748237"   "5857761"   "5886759"   "6034750").PN.	USPAT	OR	OFF	2003/02/21 09:00

## EAST Search History

S74	1	"6254245".URPN.	USPAT	OR	OFF	2003/02/21 09:01
S75	296	362/327.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/02/21 09:22
S76	3893	((embed\$4 with reflect\$4) and ((embed\$4 or (co near4 extrud\$4)) with reflect\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/02/21 09:30
S77	169	((transparent adj rod) or (light near4 guide)) and ((embed\$4 with reflect\$4) and ((embed\$4 or (co near4 extrud\$4)).with reflect\$4))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/02/21 09:31
S78	50024	(transparent with rod) or (light near4 guide)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/02/21 09:33
S79	185	(embed\$4 with reflect\$4) and ((transparent with rod) or (light near4 guide))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/02/21 09:34
S80	216	(362/399).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/02/21 14:27
S81	382	(16/110.1).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/02/21 14:33
S82	0	(16/436.1).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/02/21 14:33
S83	279	(16/436).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/02/21 14:37



## EAST Search History

S84	159	(16/111.1).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/02/21 14:39
S85	32	(16/903).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/02/21 14:40
S86	115	362/31.ccls. and @pd > "20020901"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/02/21 15:12
S87	11	362/30.ccls. and @pd > "20020901"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/02/21 15:13
S88	48	362/26.ccls. and @pd > "20020901"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/02/21 15:14
S89	29	362/27.ccls. and @pd > "20020901"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/02/21 15:15
S90	17	362/29.ccls. and @pd > "20020901"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/02/21 15:15
S91	7	362/577.ccls. and @pd > "20020901"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/02/21 15:15
S92	1	362/337.ccls. and @pd > "20020901"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/02/21 15:15
S93	10	362/251.ccls. and @pd > "20020901"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/02/21 15:15

## EAST Search History

S94	40	362/551.ccls. and @pd > "20020901"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/02/21 15:16
S95	11	362/327.ccls. and @pd > "20020901"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/02/21 15:16
S96	68524	(bulb or light) with (shade or hood or cover)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/02/21 16:41
S97	23251	(( (bulb or light) with (shade or hood or cover)) and (transparent or translucent))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/02/21 16:42
S98	520	(( (bulb or light) with (shade or hood or cover)) and (transparent or translucent)) and (open near4 bottom)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/02/21 16:42
S99	0	(( (bulb or light) with (shade or hood or cover)) and (transparent or translucent)) and (open near4 bottom)) and (bulb with mount\$5 with seat)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/02/21 16:44
S10 0	172	(( (bulb or light) with (shade or hood or cover)) and (transparent or translucent)) and (open near4 bottom)) and flange	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/02/21 16:48
S10 1	2403	(( (bulb or light) with (shade or hood or cover)) and (transparent or translucent)) and flange	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/02/21 16:48
S10 2	172	(( (bulb or light) with (shade or hood or cover)) and (transparent or translucent)) and flange) and (( (bulb or light) with (shade or hood or cover)) and (transparent or translucent)) and (open near4 bottom))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/02/21 16:49
S10 3	2862	"362"/\$.ccls. and (( (bulb or light) with (shade or hood or cover)) and (transparent or translucent))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/02/21 16:51

## EAST Search History

S10 4	674	("362"/\$.ccls. and (( (bulb or light) with (shade or hood or cover)) and (transparent or translucent))) and flange	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/02/21 16:50
S10 5	125	"362"/\$.ccls. and ((( (bulb or light) with (shade or hood or cover)) and (transparent or translucent)) and (open near4 bottom))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/02/21 16:51
S10 6	353	362/399.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/02/24 13:52
S10 7	171	362/577.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/02/24 13:54
S10 8	276	16/111.1.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/02/24 13:58
S10 9	2789	362/551,555,581,327,309.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/02/24 13:59
S11 0	18138	(light\$4 or illuminat\$4) with handle	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/24 17:07
S11 1	60	S109 and S110	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/24 14:01
S11 2	727	16/110.1,903,436.ccls.	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/24 14:01
S11 3	44	S112 and S110	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/24 14:51
S11 4	3	((("6793382") or ("6135621") or ("6065852")).PN.	USPAT	OR	OFF	2006/02/24 14:52

## EAST Search History

S11 5	10	("4557494"   "5779228"   "5915830"   "6065852"   "6135621"   "6179454"   "6190027"   "6250785"   "6553629"   "6592240").PN. OR ("6793382"). URPN.	US-PGPUB; USPAT; USOCR	NEAR	ON	2006/02/24 14:52
S11 6	30	("1203576"   "2242981"   "2479500"   "4231077"   "4274131"   "5339228"   "5396740"   "5692822"   "5957566").PN. OR ("6135621"). URPN.	US-PGPUB; USPAT; USOCR	NEAR	ON	2006/02/24 14:53
S11 7	20	("2479500"   "3057991"   "3569689"   "5701236").PN. OR ("6065852"). URPN.	US-PGPUB; USPAT; USOCR	NEAR	ON	2006/02/24 16:22
S11 8	1	"6553629".pn. and groove	US-PGPUB; USPAT; USOCR	NEAR	ON	2006/02/24 17:05
S11 9	5	"6592240"	US-PGPUB; USPAT; USOCR	NEAR	ON	2006/02/24 17:05
S12 0	1392	S110 and (night vision)	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/24 17:08
S12 1	20388	(night vision) with (light emitting diod\$4)	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/24 17:33
S12 2	594	S110 and S121	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/24 17:08
S12 3	16099	S110 and (light emitting diod\$4)	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/24 17:10
S12 4	2703	S110 and (light emitting diod\$4) and (((light transmitting ) or transparent) with (rod or member))	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/24 17:12
S12 5	435	S110 and (light emitting diod\$4) and (((light transmitting ) or transparent) with (rod or member)) and (red or yellow or green)	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/24 17:27
S12 6	22162	((night vision) preserving) with (light emitting diod\$4)	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/24 17:22
S12 7	199	S110 and (((light transmitting ) or transparent) with (rod or member)) and S126	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/24 17:21

## EAST Search History

S12 8	223	S110 and (((light transmitting ) or transparent) with (bar or rod or member)) and S126	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/24 17:22
S12 9	9	((night vision) with preserving) with (light emitting diod\$4)	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/24 17:24
S13 0	287337	((((night vision) with preserving) or laser) with (light emitting diod\$4)	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/24 17:24
S13 1	253	S110 and ((light emitting diod\$4) with (yellow or green)) and (((light transmitting ) or transparent) with (rod or bar or member))	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/25 12:36
S13 2	201	S131 and @ad < "20011031"	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/24 17:30
S13 3	5	((night vision) with preserv\$5 with color) with (light emitting diod\$4)	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/24 17:34
S13 4	62	((night vision) with preserv\$5) with (light emitting diod\$4)	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/24 17:38
S13 5	1	((((night vision) with preserv\$5) with (light emitting diod\$4)) and S110	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/25 11:27
S13 6	18138	(light\$4 or illuminat\$4) with handle	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/25 12:34
S13 7	3	((((night vision) with preserv\$5) and (light emitting diod\$4)) and S136	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/25 11:38

# EAST Search History

S13 8	59	("2428133"   "2647222"   "2694772"   "2932917"   "2933853"   "3226880"   "3258589"   "3382504"   "3805050"   "4154183"   "4234907"   "4698732"   "4714985"   "4722098"   "4802071"   "4926296"   "4999753"   "5097399"   "5149190"   "5165781"   "5385500"   "5434761"   "5546604"   "5588734"   "5597230"   "5649755"   "5733170"   "5742939"   "5829862"   "5855429"   "5878931"   "5893629"   "5918964"   "5931560"   "5984754"   "6012820"   "6041436"   "6059423"   "6109763"   "6173450"   "6200000"   "6224234"   "6357049"   "6428178"   "D158915"   "D283172"   "D287058"   "D311594"   "D360482"   "D456920").PN. OR ("6854131"). URPN.	US-PGPUB; USPAT; USOCR	NEAR	ON	2006/02/25 11:31
S13 9	59	("2428133"   "2647222"   "2694772"   "2932917"   "2933853"   "3226880"   "3258589"   "3382504"   "3805050"   "4154183"   "4234907"   "4698732"   "4714985"   "4722098"   "4802071"   "4926296"   "4999753"   "5097399"   "5149190"   "5165781"   "5385500"   "5434761"   "5546604"   "5588734"   "5597230"   "5649755"   "5733170"   "5742939"   "5829862"   "5855429"   "5878931"   "5893629"   "5918964"   "5931560"   "5984754"   "6012820"   "6041436"   "6059423"   "6109763"   "6173450"   "6200000"   "6224234"   "6357049"   "6428178"   "D158915"   "D283172"   "D287058"   "D311594"   "D360482"   "D456920").PN. OR ("6854131"). URPN.	US-PGPUB; USPAT; USOCR	NEAR	ON	2006/02/25 11:33
S14 0	59	("2428133"   "2647222"   "2694772"   "2932917"   "2933853"   "3226880"   "3258589"   "3382504"   "3805050"   "4154183"   "4234907"   "4698732"   "4714985"   "4722098"   "4802071"   "4926296"   "4999753"   "5097399"   "5149190"   "5165781"   "5385500"   "5434761"   "5546604"   "5588734"   "5597230"   "5649755"   "5733170"   "5742939"   "5829862"   "5855429"   "5878931"   "5893629"   "5918964"   "5931560"   "5984754"   "6012820"   "6041436"   "6059423"   "6109763"   "6173450"   "6200000"   "6224234"   "6357049"   "6428178"   "D158915"   "D283172"   "D287058"   "D311594"   "D360482"   "D456920").PN. OR ("6854131"). URPN. and (light emitting diod\$4)	US-PGPUB; USPAT; USOCR	NEAR	ON	2006/02/25 11:34

## EAST Search History

S14 1	60	("2428133"   "2647222"   "2694772"   "2932917"   "2933853"   "3226880"   "3258589"   "3382504"   "3805050"   "4154183"   "4234907"   "4698732"   "4714985"   "4722098"   "4802071"   "4926296"   "4999753"   "5097399"   "5149190"   "5165781"   "5385500"   "5434761"   "5546604"   "5588734"   "5597230"   "5649755"   "5733170"   "5742939"   "5829862"   "5855429"   "5878931"   "5893629"   "5918964"   "5931560"   "5984754"   "6012820"   "6041436"   "6059423"   "6109763"   "6173450"   "6200000"   "6224234"   "6357049"   "6428178"   "D158915"   "D283172"   "D287058"   "D311594"   "D360482"   "D456920").PN. OR ("6854131").pn. and (light emitting diod\$4)	US-PGPUB; USPAT; USOCR	NEAR	ON	2006/02/25 11:35
S14 2	60	("2428133"   "2647222"   "2694772"   "2932917"   "2933853"   "3226880"   "3258589"   "3382504"   "3805050"   "4154183"   "4234907"   "4698732"   "4714985"   "4722098"   "4802071"   "4926296"   "4999753"   "5097399"   "5149190"   "5165781"   "5385500"   "5434761"   "5546604"   "5588734"   "5597230"   "5649755"   "5733170"   "5742939"   "5829862"   "5855429"   "5878931"   "5893629"   "5918964"   "5931560"   "5984754"   "6012820"   "6041436"   "6059423"   "6109763"   "6173450"   "6200000"   "6224234"   "6357049"   "6428178"   "D158915"   "D283172"   "D287058"   "D311594"   "D360482"   "D456920").PN. OR ("6854131").pn. and (light emitting diod\$4)	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/25 11:35
S14 3	3	((night vision) with preserv\$5) and S136	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/25 11:37
S14 4	221	((((night vision) with preserv\$5) and (light emitting diod\$4))	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/25 11:38
S14 5	183	((((night vision) with preserv\$5) and (light emitting diod\$4)) and @ad < "20011031"	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/25 12:32
S14 6	796662	((annular or "O") seal ring) with (annular groove)	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/25 12:41

## EAST Search History

S14 7	2367	S136 and S146	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/25 12:35
S14 8	3504703	(light\$4 or illuminat\$4) handle	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/25 12:35
S14 9	18138	S136 and S148	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/25 12:38
S15 0	215566	((light transmitting ) or transparent) with (rod or bar or member))	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/25 12:42
S15 1	3370	S149 and S150	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/25 12:37
S15 2	190819	S148 and S146	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/25 12:38
S15 3	18608	S148 and S146 and S150	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/25 12:38
S15 4	80905	((annular or "O") seal ring) and S150	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/25 12:40
S15 5	277	((annular or "O") seal ring) with (annular groove)	USPAT; EPO; JPO; DERWENT; IBM_TDB	NEAR	OFF	2006/02/25 12:41
S15 6	1	((light transmitting ) or transparent) with (rod or bar or member)) same ((annular or "O") seal ring) same (annular groove)	USPAT; EPO; JPO; DERWENT; IBM_TDB	NEAR	OFF	2006/02/25 12:44
S15 7	0	((light transmitting ) or transparent) with (rod or bar)) same ((annular or "O") seal ring) same (annular groove)	USPAT; EPO; JPO; DERWENT; IBM_TDB	NEAR	OFF	2006/02/25 12:44
S15 8	0	((light transmitting ) or transparent) with (rod or bar)) with groove with (annular seal)	USPAT; EPO; JPO; DERWENT; IBM_TDB	NEAR	OFF	2006/02/25 12:57
S15 9	6	"6592240"	USPAT; EPO; JPO; DERWENT; IBM_TDB	NEAR	OFF	2006/02/25 12:58



## EAST Search History

S16 0	1	("6592240").PN.	USPAT	OR	OFF	2006/02/25 13:55
S16 1	0	"6592240".pn. and taper\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/02/25 13:56
S16 2	1	"6592240".pn.	USPAT	NEAR	ON	2006/02/25 15:06
S16 3	0	S162 and taper\$4	USPAT	NEAR	ON	2006/02/25 13:57
S16 4	8	"6553629"	USPAT	NEAR	ON	2006/02/25 15:06
S16 5	1	("6553629").PN.	USPAT	OR	OFF	2006/02/25 15:07
S16 6	19945	(light\$4 or illuminat\$4) with handle	USPAT; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/09/08 15:41
S16 7	856630	(light emitting diod\$4) or "LED"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/09/08 15:42
S16 8	2852	S166 and S167	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/09/08 15:43
S16 9	403	S166 and S167 and "362"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/09/08 15:45
S17 0	254	S169 and @ad < "20011031"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/09/08 15:46

## EAST Search History

S17 1	54	("1203576"   "1523495"   "2114542"   "2151182"   "2242981"   "2308844"   "2310593"   "2479500"   "3569689"   "3707016"   "4149331"   "4231077"   "4274131"   "4356592"   "4394718"   "4413311"   "5020256"   "5025352"   "5165643"   "5193786"   "5288048"   "5297010"   "5339228"   "5396740"   "5440783"   "5692822"   "5771537"   "5779228"   "5913671"   "5957566"   "6065852"   "6135621"   "6164805"   "6209933"   "6290040"   "D216458"   "RE21512").PN. OR ("6553629"). URPN.	US-PGPUB; USPAT; USOCR	NEAR	ON	2006/09/08 15:54
S17 2	49	("1523495"   "1866802"   "2483058"   "2831176"   "3789210"   "4467402"   "5025352"   "5150959").PN. OR ("5297010").URPN.	US-PGPUB; USPAT; USOCR	NEAR	ON	2006/09/08 17:24
S17 3	18	("1203576" "2242981" "2479500" "4 231077" "4274131" "4924357" "5339 228" "5396740" "5692822" "5957566  "6058230" "6065852" "6135621" "6 139174" "6267492" "6488397" "6511 214" "6553629").PN.	US-PGPUB; USPAT	NEAR	ON	2006/09/08 17:24
S17 4	1	("5297010").PN.	USPAT; USOCR	OR	OFF	2006/09/09 16:04
S17 5	49	("1523495"   "1866802"   "2483058"   "2831176"   "3789210"   "4467402"   "5025352"   "5150959").PN. OR ("5297010").URPN.	US-PGPUB; USPAT; USOCR	NEAR	ON	2006/09/09 16:06
S17 6	33	("1523495"   "1866802"   "2483058"   "2831176"   "3789210"   "4467402"   "5025352"   "5150959").PN. OR ("5297010").URPN. and diod\$4	US-PGPUB; USPAT; USOCR	NEAR	ON	2006/09/09 16:09
S17 7	21	S175 and diod\$4	US-PGPUB; USPAT; USOCR	NEAR	ON	2006/09/09 16:09
S17 8	43171	handle and diod\$4	US-PGPUB; USPAT; USOCR	NEAR	ON	2006/09/09 16:10
S17 9	41	((clear or (light transmitting) or refract\$4)) handle) and diod\$4	US-PGPUB; USPAT; USOCR	NEAR	ON	2006/09/09 16:11
S18 0	401	((clear or (light transmitting) or refract\$4)) with handle) and diod\$4	US-PGPUB; USPAT; USOCR	NEAR	ON	2006/09/09 16:15
S18 1	18733	(light\$4 or illuminat\$4) with handle	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/09 16:14
S18 2	3617466	((light\$4 or illuminat\$4) handle)	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/09 16:15

## EAST Search History

S18 3	284881	((light\$4 or illuminat\$4) handle) and diod\$4	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/09 16:15
S18 4	68900	((clear or (light transmitting) or refract\$4)) and S183	US-PGPUB; USPAT; USOCR	NEAR	ON	2006/09/09 16:16
S18 5	890	((clear or (light transmitting) or refract\$4)) handle	US-PGPUB; USPAT; USOCR	NEAR	ON	2006/09/09 16:19
S18 6	41	S185 and diod\$4	US-PGPUB; USPAT; USOCR	NEAR	ON	2006/09/09 16:16
S18 7	401	((clear or (light transmitting) or refract\$4)) with handle) and diod\$4	US-PGPUB; USPAT; USOCR	NEAR	ON	2006/09/09 16:19
S18 8	46	((clear or (light transmitting) or refract\$4)) with handle) and diod\$4 and "362"/\$.ccls.	US-PGPUB; USPAT; USOCR	NEAR	ON	2006/09/09 16:20
S18 9	4	((clear or (light transmitting) or refract\$4)) with handle) and diod\$4 and "40"/\$.ccls.	US-PGPUB; USPAT; USOCR	NEAR	ON	2006/09/09 16:20
S19 0	48	S188 or S189	US-PGPUB; USPAT; USOCR	NEAR	ON	2006/09/09 16:26
S19 1	0	("4678450.pn.diod\$4").PN.	USPAT; USOCR	OR	OFF	2006/09/09 16:26
S19 2	1	"4678450".pn. and diod\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/09/09 16:28
S19 3	2	"6244723".pn. and diod\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/09/09 16:29
S19 4	1234	(light emitting diod\$3) and ((angle or degre\$4) with spread)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/09/09 16:52
S19 5	290	(light emitting diod\$3) and (narrow with spread)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/09/09 16:36

## EAST Search History

S19 6	0	(light emitting diod\$3) and (narrow with spread) and (intensity distribuion)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/09/09 16:46
S19 7	27	(light emitting diod\$3) and (narrow with spread) and (intensity distribution)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/09/09 16:32
S19 8	105	S195 and @ad < "20011031"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/09/09 16:47
S19 9	1445	S194 or S195	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/09/09 16:45
S20 0	0	S199 and (intensity distribuion)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/09/09 16:46
S20 1	290	S199 and (intensity distribution)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/09/09 16:46
S20 2	88	S201 and @ad < "20011031"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/09/09 19:26
S20 3	35	(light emitting diod\$3) with (self focus\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/09/09 16:54
S20 4	2	(light emitting diod\$3) (self focus\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/09/09 16:56

## EAST Search History

S20 5	25	(light emitting diod\$3) with (narrow light beam)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/09/09 17:00
S20 6	70	(light emitting diod\$3) and (narrow light beam) and (light output)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/09/09 17:05
S20 7	42	("3458779"   "3501676"   "3510732"   "3596136").PN. OR ("3805347").URPN.	US-PGPUB; USPAT; USOCR	NEAR	ON	2006/09/09 17:03
S20 8	18063	(light emitting diod\$3) and (light output)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/09/09 17:05
S20 9	89	(light emitting diod\$3) and ((light output) ratio)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/09/09 17:07
S21 0	10	(light emitting diod\$3) and (narrow angle) and (light output) and "313"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/09/09 17:11
S21 1	83	(light emitting diod\$3) and (narrow angle) and (light output) and "362"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/09/09 17:25
S21 2	34	(light emitting diod\$3) and (narrow angle) and (light output) and "362"/800.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/09/09 17:26
S21 3	10	(light emitting diod\$3) and (narrow angle) and (light output) and "313"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/09/09 17:27

## EAST Search History

S21 4	80	(light emitting diode\$3) and ("15 degrees" with "45 degrees")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/09/09 17:51
S21 5	0	(light emitting diode\$3) and ((light output) with ("15 degrees" with "45 degrees"))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/09/09 17:36
S21 6	1	"613143".ap.	US-PGPUB	NEAR	ON	2006/09/09 17:34
S21 7	1	"613143".ap. and output	US-PGPUB	NEAR	ON	2006/09/09 17:34
S21 8	3245	(light emitting diode\$3) with (light output)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/09/09 17:36
S21 9	9	(light emitting diode\$3) and ((narrow angle) with (light output))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/09/09 17:40
S22 0	36	(light emitting diode\$3) and ((narrow angle) same (light output))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/09/09 18:09
S22 1	38	("3999287"   "4173035"   "4255042"   "4266140"   "4422719"   "4478588"   "4521839"   "4607317"   "4633582"   "4761720"   "4767172"   "4943900"   "5027258"   "5095413"   "5155669"   "5313729"   "5321593"   "5452188"   "5575459"   "5671306"   "5765940"   "5769533"   "5927845"   "6072171"   "6158882"   "6170964"   "6206534"   "6250785"   "6268600"   "6270236"   "6283612"   "6299334"   "6354714"   "6357903"   "6357904"   "6361186"   "6592238").PN. OR ("6851832"). URPN.	US-PGPUB; USPAT; USOCR	NEAR	ON	2006/09/09 17:44
S22 2	2	"20030218879"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/09/09 17:51

## EAST Search History

S22 3	38	("3999287"   "4173035"   "4255042"   "4266140"   "4422719"   "4478588"   "4521839"   "4607317"   "4633582"   "4761720"   "4767172"   "4943900"   "5027258"   "5095413"   "5155669"   "5313729"   "5321593"   "5452188"   "5575459"   "5671306"   "5765940"   "5769533"   "5927845"   "6072171"   "6158882"   "6170964"   "6206534"   "6250785"   "6268600"   "6270236"   "6283612"   "6299334"   "6354714"   "6357903"   "6357904"   "6361186"   "6592238").PN. OR ("6851832"). URPN.	US-PGPUB; USPAT; USOCR	NEAR	ON	2006/09/09 17:59
S22 4	29	camarota-richard-j.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/09/09 18:00
S22 5	9437	(light emitting diod\$3) and (direction\$4 light)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/09/09 18:10
S22 6	142	(light emitting diod\$3) and (direction\$4 light) and (narrow angle)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/09/09 18:10
S22 7	123	(light emitting diod\$3) and (direction\$4 light) and (narrow angle) and ((intensity or output))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/09/09 18:42
S22 8	84	(light emitting diod\$3) and (direction\$4 light) and (narrow angle) and ((intensity or output)) and distribution	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/09/09 18:30
S22 9	142	(light emitting diod\$3) and (direction\$4 light) and (narrow angle)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/09/09 18:40
S23 0	38	S229 and @ad < "20011031"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/09/09 18:31

## EAST Search History

S23 1	0	(light emitting diode\$3) and (direction\$4 light) and (narrow angle) and ((output or intensity) distribution)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/09/09 18:41
S23 2	123	(light emitting diode\$3) and (direction\$4 light) and (narrow angle) and (output or intensity)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/09/09 18:41
S23 3	3198	(light emitting diode\$3) and ((intensity or output) distribution)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/09/09 18:42
S23 4	98	(light emitting diode\$3) and ((intensity or output) distribution) and "313"/\$. ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/09/09 19:20
S23 5	20	("4013915"   "4941072"   "4964025"   "5001609"   "5122943"   "5289082"   "5865529").PN. OR ("6061160"). URPN.	US-PGPUB; USPAT; USOCR	NEAR	ON	2006/09/09 18:53
S23 6	3697	(light emitting diode\$3) and ((intensity or output) reduce\$6)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/09/09 19:21
S23 7	37	(light emitting diode\$3) and ((intensity or output) reduce\$6) and (narrow angle)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/09/09 19:24
S23 8	723	package\$3 (light emitting diode\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/09/09 19:23
S23 9	6	S238 and (narrow angle)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/09/09 19:23



## EAST Search History

S24 0	0	S238 and ((intensity or output) reduc\$6) and (narrow angle)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/09/09 19:24
S24 1	365	S238 and (intensity or output)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/09/09 19:25
S24 2	108	S238 and ((intensity or output) with (distribution or reduc\$6))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/09/09 19:26
S24 3	42	S242 and @ad < "20011031"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/09/10 16:55
S24 4	1443	16/110.1,436,903,111.1.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/25 12:23
S24 5	5676	362/26,27,29,30,551,555,577,581, 399,327,337,251.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/25 12:27
S24 6	4173470	(light emitting diode)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/25 12:27
S24 7	607	(S244 or S245) and handle and S246	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/25 12:30

## EAST Search History

S24 8	606	S247 and (light (source or bulb))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/25 12:29
S24 9	655	(S244 or S245) and handle and (S246 or (light (source or bulb)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/25 12:31
S25 0	349	S249 and @ad < "20011031"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/25 12:32
S25 1	1475	16/110.1,436,903,111.1.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/01/20 13:06
S25 2	5945	362/26,27,29,30,551,555,577,581, 399,327,337,251.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/01/20 13:06
S25 3	4400377	(light emitting diode)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/01/20 13:06
S25. 4	683	(S251 or S252) and handle and (S253 or (light (source or bulb)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/01/20 13:06
S25 5	349	S254 and @ad < "20011031"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/01/20 13:06

## EAST Search History

S25 6	0	((light\$4 or illuminat\$4) with handle) and ((light emitting diode) or (light (source or bulb))) and (bar with end with (taper\$4 wall)).clm.	US-PGPUB	NEAR	ON	2008/01/20 13:23
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